

Patent Abstracts of Japan

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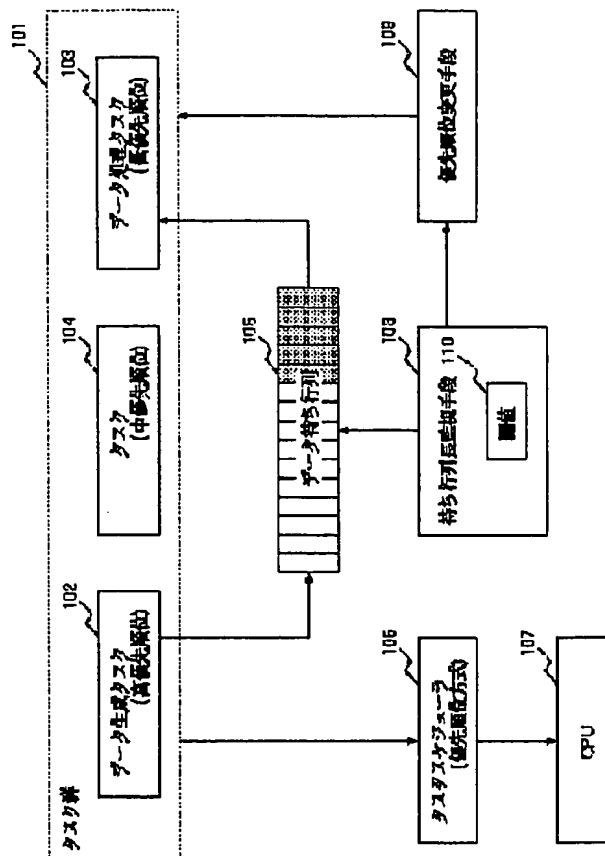
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TITLE : TASK SCHEDULING SYSTEM, ITS
METHOD AND RECORDING MEDIUM



ABSTRACT : PROBLEM TO BE SOLVED: To prevent the execution of a task, which generates data and the priority of which is high from being blocked by a task which processes data and the priority of which is low.

SOLUTION: Data are generated and scheduling of a task group 101 containing a data generation task 102 with high priority, a data processing task 103 which takes out/process data from a data queue 105 and the priority of which is low and a task 104 with intermediate priority is executed on the data queue 105. When the length of the data queue 105 exceeds a threshold 110, a queue monitoring means 108 informs a priority change means 109 of it and the priority of the data processing task 104 is improved. When the length of the data queue becomes lower than the threshold 110, the queue monitoring means 108 informs the priority change means 109 of it and sets the priority of the data processing task to an original lower order.

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